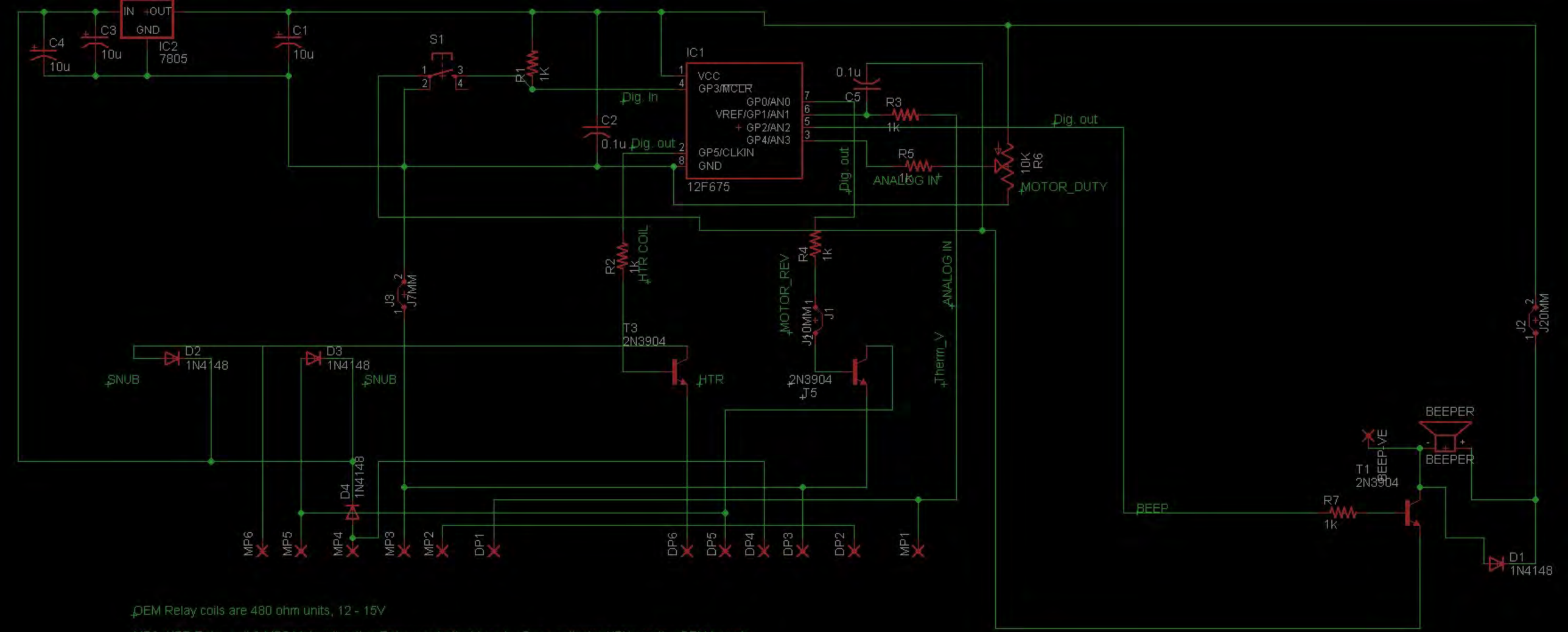

OEM Relay coils are 480 ohm units, 12 - 15V

MP6- HTR Relay coil & MP5 Motor direction Relay are both driven by Open collector NPNs on the OEM boards.

Thus the 'REV' control button on the laminator works with this mod just fine.

The OEM thermistor (glass cylinder type) has an 80K ambient resistance and about 2K at 380F.

Thus once warmed its voltage drop should be < 3.5V or else it has failed. This is tested for by the PIC after 30 sec of heating.

This mod adds backEMF flywheel diodes (relay coils) that appear to be absent in the OEM controller.